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 Ala Thr Gly Ile Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp
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 Phe Thr Leu Thr Ile Ser Arg Leu Glu Pro Glu Asp Phe Ala Val Tyr
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 Trp Ala Ser Thr Arg Glu Ser Gly Val Pro Asp Arg Phe Ser Gly Ser
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 Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Ala Glu
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 Ala Thr Gly Ile Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp
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 Phe Ser Phe Thr Ile Ser Ser Leu Gln Pro Glu Asp Thr Gly Thr Tyr
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 35 40 45
 Ala Thr Gly Ile Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp
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 Phe Thr Leu Thr Ile Ser Arg Leu Glu Pro Glu Asp Phe Ala Val Tyr
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 Phe Thr Leu Thr Ile Ser Arg Leu Glu Pro Glu Asp Phe Ala Val Tyr
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 50 55 60
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 35 40 45
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 35 40 45
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 Phe Thr Ile Ser Ser Leu Gln Pro Glu Asp Thr Gly Thr Tyr Tyr Cys
 20 25 30

<210> 100
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 100
 Gly Ile Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
 1 5 10 15
 Leu Thr Ile Ser Arg Leu Glu Pro Glu Asp Phe Ala Val Tyr Tyr Cys
 20 25 30

<210> 101
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 101
 Gly Ile Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
 1 5 10 15
 Leu Thr Ile Ser Arg Leu Glu Pro Glu Asp Phe Ala Val Tyr Tyr Cys
 20 25 30

<210> 102
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 102
 Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg Thr Val Ala
 1 5 10

<210> 103
 <211> 14
 <212> PRT
 <213> Homo sapiens

 <400> 103
 Phe Gly Gly Gly Ala Lys Val Gly Ile Arg Arg Thr Val Ala
 1 5 10

 <210> 104
 <211> 14
 <212> PRT
 <213> Homo sapiens

 <400> 104
 Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg Thr Val Ala
 1 5 10

 <210> 105
 <211> 14
 <212> PRT
 <213> Homo sapiens

 <400> 105
 Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg Thr Val Ala
 1 5 10

 <210> 106
 <211> 14
 <212> PRT
 <213> Homo sapiens

 <400> 106
 Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys Arg Thr Val Ala
 1 5 10

 <210> 107
 <211> 14
 <212> PRT
 <213> Homo sapiens

 <400> 107
 Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys Arg Thr Val Ala
 1 5 10

 <210> 108
 <211> 14
 <212> PRT
 <213> Homo sapiens

 <400> 108
 Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg Thr Val Ala
 1 5 10

 <210> 109
 <211> 332
 <212> DNA
 <213> Homo sapiens

 <400> 109
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 tcagtagtca tggctcgac tgggtccgcc aagctccagg caaggggctg gagtgggtgg 120

cactttttgtc	gtctgatgga	agtaataaat	tctatataga	atccgtgaag	ggccgattca	180
ccatctccaa	ggacaattct	aagaacacac	tgtatctgca	aatgaacagc	ctgagaattg	240
acgacacggc	tgtctattac	tgtgcgattt	ccctggtggg	aactaccgct	tttaactact	300
ggggccaggg	aaccctgggc	accgtctcct	ca			332

<210> 110
 <211> 331
 <212> DNA
 <213> Homo sapiens

<400> 110						
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agtagtcata	ccatgcactg	ggtcgccag	gctccaggca	aggggctgga	gtgggtggca	120
cttatattct	atgatggaag	taataaatac	tatgcagact	ccgtgaaggg	ccgattcacc	180
atctccagag	acaattccaa	gaacacgctg	tatctgcaat	tgagcagcct	aagacctgag	240
gacacggctg	tctattattg	tacgaattcc	gaggtgggag	ctaccgcttt	tgactactgg	300
ggccagggaa	ccctgggtcac	cgtctcctca	g			331

<210> 111
 <211> 335
 <212> DNA
 <213> Homo sapiens

<400> 111						
ggggaggcgt	ggtccagcct	gggaggtccc	tgagactttt	cctgtgcagc	ctctggattc	60
accttcagtt	cctatacttt	ccactgggtc	cgccaggctc	caggcaaggg	gctggagtgg	120
gtggcagtta	tatcatatga	tggaaacaag	aaatactacg	cagactccgt	gaagggccga	180
ttcaccatct	ccagagacaa	ttccaagaac	actctatatc	tgcaaatgaa	cagcctgaga	240
gttgaggaca	cggctgttta	ttactgtgcg	atttccatag	tgggaactac	cgcttttaac	300
tactggggcc	agggaaacct	ggtcaccgtc	tcctc			335

<210> 112
 <211> 327
 <212> DNA
 <213> Homo sapiens

<400> 112						
ccagactccc	tggtctgtgc	tctgggcgag	agggccacca	tcaactgcaa	gtccagccag	60
agtgtttttt	acacttccaa	caataagaac	tacttagctt	ggtaccagca	gaaaccaggc	120
cagcctccta	agttgtctcat	ttactgggca	tccaccggg	aatccgggg	ccctgaccga	180
ttcagtggca	gcgggtctgg	gacagatttc	actctcacca	tcagcagcct	gcaggctgaa	240
gatgtggcag	tttattactg	tcagcaatat	tatgatctgt	acacttttgg	ccaggggacc	300
aagctggaga	tcaaacgaac	tgtggct				327

<210> 113
 <211> 312
 <212> DNA
 <213> Homo sapiens

<400> 113						
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ggcattagca	gttatctagc	ctggtatcag	ctaaaaccgg	ggaaagcccc	taagctcctg	120
atctatgctg	catccacttt	gcaaagtggg	gtcccatcaa	ggttcagcgg	cagtggatct	180
gggacagaat	tcactctcac	aataagcagc	ctgcagcctg	aagattttgc	aacttattac	240
tgtcaacagc	ttaatagtta	ccctctcact	ttcggcgagg	gggccaaggt	ggggatcaga	300
cgaactgtgg	ct					312

<210> 114
 <211> 315
 <212> DNA
 <213> Homo sapiens

<400> 114
ccaggcaccc tgtctttgtc tccaggggaa agagccaccc tctcctgcag ggccagtcag 60
agtgttagca gcagctactt agcctggtac cagcagaaac ctggccaggc tcccaggctc 120
ctcatctatg gtgcatccag cagggccact ggcattccag acaggttcag tggcagtggg 180
tctgggacag acttcactct caccatcagc agactggagc ctgaagattt tgcagtgtat 240
tactgtcagc agtatggtag ctcacctcgg acgttcggcc aagggaacaa ggtggaaatc 300
aaacgaactg tggct 315

<210> 115
<211> 327
<212> DNA
<213> Homo sapiens

<400> 115
ccagactccc tggctgtgtc tctgggagag agggccacca tcaactgcaa gtccagccag 60
agtgtttttt acacttccaa caataagaac tacttagctt ggtaccagca gaaaccaggc 120
cagcctccta agttgtctcat ttactgggca tccaccggg aatccggggg cctgaccga 180
ttcagtggca gcggtctctg gacagatttc actctacca tcagcagcct gcaggctgaa 240
gatgtggcag tttattactg tcagcaatat tatgattcgt acacttttgg ccagggggacc 300
aagctggaga tcaaacgaac tgtggct 327

<210> 116
<211> 315
<212> DNA
<213> Homo sapiens

<400> 116
ccaggcaccc tgtcattgtc tccaggggaa ggagccaccc tctcctgcag ggccagtcag 60
agtgttagca gcagctacct agcctggtat cagcagagac ctggccaggc tcccaggctc 120
ctcatctatg gtgcatccag cagggccacc ggcattccag acagattcag tggagtgga 180
tctgggacag atttcagttt caccatcagc agtctgcagc ctgaagatac tgggacatat 240
tactgtcaac aatatgataa tgtccctgac acttttggcc aggggaccag gctggagatc 300
aaacgaactg tggct 315

<210> 117
<211> 312
<212> DNA
<213> Homo sapiens

<400> 117
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agtgttagca gcagctactt agcctggtac cagcagaaac ctggccaggc tcccaggctc 120
ctcatctatg gtgcatccag tagggccact ggcattccag acaggttcag tggcagtggg 180
tctgggacag acttcactct caccatcagc agactggagc ctgaagattt tgcagtgtat 240
tactgtcagc agtatggtac ctcaccctc ttcgggcaag ggacacgact ggagattaaa 300
cgaactgtgg ct 312

<210> 118
<211> 315
<212> DNA
<213> Homo sapiens

<400> 118
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agtgttagca gcagttactt agcctggtac cagcagaaac ctggccaggc tcccaggctc 120
ctcatctatg gtgcatccag cagggccact ggcattccag acaggttcag tggcagtggg 180
tctgggacag acttcactct caccatcagc agactggagc ctgaagactt tgcagtttat 240
tactgtcagc agtatggaag ctcacctcgg acgttcggcc aagggaacaa ggtggaaatc 300
aaacgaactg tggct 315

<210> 119
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 119
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 accttcactg gccaccatat tcaactgggtc cgccaggccc ctggacaagg ccttcagtgg 120
 atgggaagaa tcaacccgac tggcggcggc gttagtctcg cacagagttt ccaggacaga 180
 gtcagcctga ccagggacag gtcgtccaat acagtcttct tggaaactgag cggcctcacg 240
 gaggaggaca cggccttata tttctgtgcg aggccccgat ttaacatgat ccgggaacct 300
 cttgacctct ggggccaggg gacagtgggc accgtctcct ca 342

<210> 120
 <211> 348
 <212> DNA
 <213> Homo sapiens

<400> 120
 gggggaggct tggtagagcc tgggggggtcc ctgagactct cctgtgcaac ctctggattc 60
 atctttaaca gctatgccat gaactgggtc cgccaggctc caggaagg gcttgagtgg 120
 gtctcacgta ttagtggaat tagtggaagc acattctacg cagactccgt gaagggccgg 180
 ttcaccatct ccagagacaa ttccaagaac acggcggttc tgcaatgaa cagccagaga 240
 gccgaagaca cggccgttta ttactgtgcg aaagatctgt cgagtgggtg atactactac 300
 tacgggatgg acgtctgggg ccaagggacc acggtcaccg tctcctca 348

<210> 121
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 121
 ggcccaggat tggtagggcc atcacagacc ctatccctca cctgcactgt ctctccaggc 60
 tccattaaag gtgatagtta cttctggagc tgggtccgtc agcccgtagg gaagggactg 120
 gaggtagatg ggcgtatcta cggcagaggg actaccaatt acaaccgtgt tttcgggagt 180
 cgagtcagta tgcagtgga catgtccagg agtcagtttt tcttggaatt gagagatgtg 240
 accgccgcag acacggccgt ctattactgt gcgagagaca aggggtccga atactcctac 300
 tttgaccctt ggggccaggg aatagtgggc aacgtcttct ca 342

<210> 122
 <211> 376
 <212> DNA
 <213> Homo sapiens

<400> 122
 gggctgaggt gaagaagcct gggtcctcgg tgaaggtctc ctgcagggtt tctggaggca 60
 cattcagcag atatgctatc agctgggtgc gacaggcccc tggacaaggg cttgagtgga 120
 tgggagggat catccctccc tttgggtccag taaactacgc acagaagttc cagggcagag 180
 tcacgattac cgcggacgat tccacgaaca cagcctacat ggggtctgagc agcctgagat 240
 ctggggacac ggccgtgtat tactgcgcga gagtggccta tgatggtagt ggctattaca 300
 acaatatccc aaagatctac tactactcct acatggacgt ctggggcaaa gggaccacgg 360
 tcaccgtgtc ctgagc 376

<210> 123
 <211> 5
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> A synthetic flexible five amino acid tether.

<400> 123
Gly Gly Gly Gly Ser
1 5